

ABSTRACT

A pressure regulated valve is provided for a mechanical returnless fuel system for an automotive vehicle that includes a fuel pump for supplying fuel from a fuel supply to an engine. The pressure regulating valve includes a conduit in fluid communication with the pump outlet. The valve includes a valve seat and a valve body having a frustoconical seal surface. A spring biases the valve body to close the valve body against the valve seat. During operation, increased fuel pressure from the pump opens the valve body to discharge excess fuel to the fuel supply.